

M4 DIAMOND BACK ASSAULT RIFLE HANDLING & INSTRUCTIONS MANUAL



18
YRS.+



IGNITE-BLACKOPS.COM

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Logan, UT 84321

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MADE IN CHINA

READ ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE USING THIS AIRSOFT GUN

BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRSOFT GUN

THIS PRODUCT IS INTENDED FOR USE BY THOSE 18 YEARS OF AGE OR OLDER.

Please read this owner's manual completely. Remember to treat this airsoft gun with the same respect you would a firearm. Always carefully follow the safety instructions found in this owner's manual and keep this manual in a safe place for future use.

PLEASE DO NOT RETURN PRODUCT TO STORE

For product assistance or questions,
please contact Customer Service:

Email: help@bearriver.net

Phone: 1-435-787-1603

You can get answers to frequently asked
questions at **www.ignite-blackops.com**

WARNING:

**THIS PRODUCT AND PACKAGE MAY CONTAIN
CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER AND BIRTH
DEFECTS OR OTHER REPRODUCTIVE HARM.
WASH HANDS AFTER HANDLING.**



WARNING: Choking Hazard-small parts.

ACTUAL COLORS AND DECORATIONS
OF THE PRODUCT MAY VARY.

⚠ WARNING: (Restricted to users 18 years of age or older)

⚠ WARNING: This sport gun was developed for enjoying sport shooting only. As the Airsoft Gun has the potential risk of serious injury such as blindness and damage to property, please read all instructions and warnings in this manual before using this airsoft gun.

⚠ WARNING: DO NOT exceed temperatures above 120°F(43.3°C) or below 20°F).



Always wear goggles or eye protective gear when shooting.



Never point the muzzle at unprotected people or animals



Always keep the airgun out of reach of children.



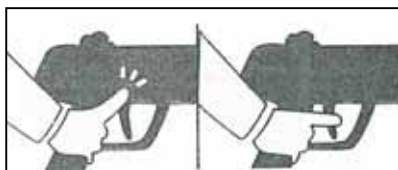
Disassembling or modifying the gun may affect the gun's performance and void manufacturer's warranty.



Never look directly down the barrel of this airsoft gun.



Remove magazine and battery during storage. Set the fire selector to safe when not in use.



Never put your finger on the trigger unless you are ready to fire.



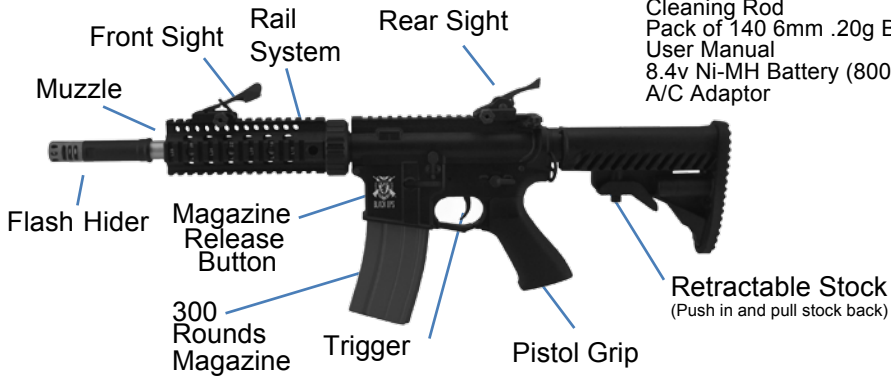
BB bullets may fire out even if the magazine is removed.

⚠ WARNING: THIS PRODUCT IS NOT A TOY. ADULT SUPERVISION REQUIRED. THIS PRODUCT IS INTENDED FOR USE BY THOSE 18 YEARS OF AGE OR OLDER. MISUSE MAY CAUSE SERIOUS INJURY, ESPECIALLY TO THE EYE. EYE PROTECTION DESIGNED FOR AIRSOFT GUNS MUST BE WORN AT ALL TIMES BY THE USER AND ANY PERSON WITHIN RANGE. READ ALL INSTRUCTIONS AND OWNERS MANUAL BEFORE USING. BUYER AND USER HAVE THE DUTY TO OBEY ALL LAWS ABOUT THE USE AND OWNERSHIP OF THIS AIRSOFT GUN. THIS AIR GUN IS RECOMMENDED FOR ADULT USE ONLY. CARELESS USE MAY RESULT IN SERIOUS INJURY OR DEATH. DANGEROUS WITHIN 300 YARDS (274.32 METERS).

⚠ WARNING: DO NOT BRANDISH OR DISPLAY AIRSOFT GUNS IN PUBLIC. IT MAY CONFUSE PEOPLE AND MAY BE A CRIME. POLICE AND OTHERS MAY THINK IT IS A FIREARM. DO NOT CHANGE THE COLORATION AND MARKINGS TO MAKE IT LOOK MORE LIKE A FIREARM. THAT IS DANGEROUS AND MAY BE A CRIME. PLEASE REMOVE ALL PACKAGING MATERIAL BEFORE USE. IF PRODUCT BECOMES DAMAGED OR BROKEN IN ANY WAY, DISCONTINUE USE. USING DAMAGED PRODUCT MAY CAUSE DAMAGE OR LEAD TO INJURY.

CONTENTS

Diamond Back Assault Rifle
 300 Round Magazine
 Cleaning Rod
 Pack of 140 6mm .20g BBs
 User Manual
 8.4v Ni-MH Battery (800mAh)
 A/C Adaptor



Specification	Barrel Caliber	Capacity	BB	Initial BB Speed
Black Ops Diamond Back	6.05mm	300	6mm BB	425-450 FPS (.12g) 330-350 FPS (.20g)

Battery Charging & Installation

This airsoft gun will not function properly without a fully charged battery. Charge the battery 6 hours prior to initial use. Do not overcharge the battery. Unplug the battery charger when not in use.

Adaptor

INPUT: AC 120V 60Hz OUTPUT: DC 11.2V 200mA

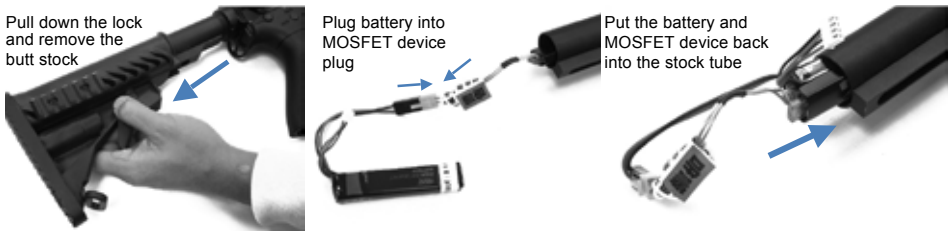
Battery

8.4V Ni-Mh 800mAh

CAUTION: Use caution when handling and using the battery or charger to prevent the risk of electric shock.

To prolong battery life and maintain the best shooting performance rest the gun for 10 minutes after shooting. For optimum performance completely use up the battery before recharging.

DO NOT OVERCHARGE THE BATTERY. UNPLUG THE BATTERY CHARGER WHEN NOT IN USE.

**Loading the Battery**

- Make sure the airsoft gun is on "SAFE" (see section 8), UNLOADED, and pointed in a SAFE DIRECTION.
- Push in the Butt stock spring and slide the stock off.
- Pull out the MOSFET battery plug, and connect the battery to the gun as shown.
- Place the battery and MOSFET device back in to the stock tube.
- Replace the butt stock back on the airsoft gun.

To Load BBs

- Make sure the airsoft gun is on “SAFE” (see section 8) and pointed in a SAFE DIRECTION.
- Use 6mm plastic BBs only in this airsoft gun. Use of any other ammunition may cause injury to you or damage to the airsoft gun. **We recommend using Black Ops .20g 6mm Biodegradable BBs.**
- While holding the BB magazine, push the magazine release button and remove the magazine.
- Slide open the magazine cover.
- Insert 300 rounds of 6mm airsoft BBs.
- Close the magazine cover.
- Rotate the wind up wheel counterclockwise only to draw BBs up into the ready tube. Turn the gear wheel until the “click click” sound changes. This should be done in a vertical position.
- Insert the loaded magazine back into the airsoft gun.

**To Unload BBs**

- Make sure the airsoft gun is on “SAFE” (see section 5) and pointed in a SAFE DIRECTION.
- While supporting the magazine, push the magazine release button and remove the magazine.
- Release the BBs in the ready tube, by pointing the clip down in a safe direction and pushing the BB retainer button. **Note:** BBs will release rapidly.
- Slide the magazine cap open, and pour out BBs, slide the cap closed.
- Do not put the magazine back in the gun.
- Point the airsoft gun in a SAFE DIRECTION.
- After reading Section 5 on aiming and firing safely, take the gun off “SAFE” and pull the trigger.
- Repeat these steps until you are no longer firing plastic BBs.
- Put the airsoft gun back on “SAFE.”

⚠ WARNING: Never assume that because the airsoft gun no longer fires a BB and/or the loading chamber is removed, that a BB is not lodged in the barrel. Always treat the airsoft gun as though it is loaded and with the same respect you would a firearm.

Note: This airsoft gun fires in semi or full auto-mode. Full auto means it continues to fire plastic BBs as long as you hold the trigger. Semi-auto means you will have to pull the trigger to fire a shot.



Safe



Semi Auto



Full Auto

Selecting Firing Mode

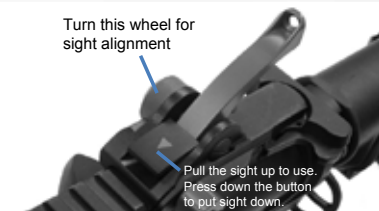
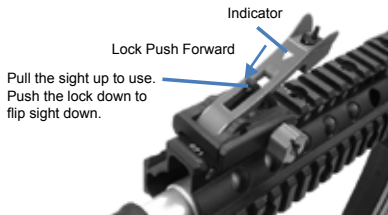
- Locate the safety on the left side of the receiver.
- Turn the lever to “SEMI” for semi-auto mode.
- Turn the lever to “AUTO” for full auto mode.
- The airsoft gun is off “SAFE” and ready to fire when pointing to either “SEMI” or “AUTO.”
- Once in desired mode, point at predetermined target and pull trigger.

⚠ WARNING: Keep the airsoft gun in the “SAFE” position until you are actually ready to shoot. Then turn the safety to the other two positions.

⚠ FIRING NOTICE:

- Confirm your firing area is safe before firing.
- When a new magazine is inserted there is a possibility that a BB will not fire after pulling the trigger, to solve this problems witch to Full Auto and fire a burst of 5-10 shots.
- Charge the battery if the firing cycle become slow.
- Give the gun a rest of 5-10 minutes after firing 220 rounds to ensure the life of motor & battery.
- If bullets are clogged, stop firing and remove the clogged bullets immediately (see section 8).
- Service the Airsoft Gun with silicon oil as daily maintenance (see section 10).
- Hop up may be unstable for first 200-300 rounds after silicon oil is used, this is normal operation.
- Backstops should be inspected for wear before and after each use. Discontinue use if the backstop surface shows signs of failure. Since backstop surfaces eventually fail, always place the backstop in a location that will be safe should the backstop fail.
- Discontinue the use of a backstop if the projectile rebounds or ricochets.

6 Adjustable sights & Adjustable stock



To extend the length of the butt stock, press the lever in and pull backwards.



7 Hop Up Adjustments

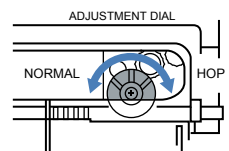
Using the Hop-Up Mode

- This airsoft gun is manufactured with an adjustable hop-up system.
- The purpose of this system is to change the spin on the BB as it leaves the muzzle, allowing you to adapt your shot for different distances.
- Pull out and hold the charging handle to open the ejection port cover.
- Turn the hop-up adjustment dial clockwise for more spin, counterclockwise for less spin.

✗ Too Much Hop Up (Return lever towards NORMAL)

○ Best Position

✗ Not Enough Hop Up (Move lever towards HOP)



⚠ HOP-UP NOTICE:

- The best position is where the bullets fly horizontally and the longest flying distance is obtained.
- Turning excessively adversely affects the trajectory. Stop turning the dial when bullets fly horizontally.
- Moving the dial too much towards HOP will cause bullets to clog. Firing the gun with clogged bullets will damage the piston and gears.
- If the hop up is adjusted excessively and causing the BBs to clog, stop operating the gun immediately. Return the dial to NORMAL and remove the clogged bullet (see section 7).
- Black Ops™ will not be held responsible for any damages or accidents caused by incorrect operation, disassembly, or modification of the airsoft gun.

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Basic Maintenance (Removing Jams & Barrel Cleaning)

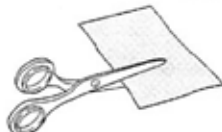
cleaning end

tapered end

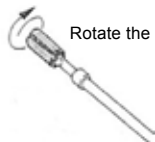
tip of barrel

Clearing Jammed BBs

- Never look down the end of the barrel to see if a jam has been cleared.
- Make sure the airsoft gun is on "SAFE" and pointed in a SAFE DIRECTION.
- Remove the magazine.
- Make sure to return the hop up wheel to the NORMAL position.
- Insert tapered end of the cleaning rod into the muzzle with the angle toward the breech (where the magazine connects).
- CAREFULLY and slowly apply increasing pressure until you push the BB out of the breech.
- Insert the magazine and test gun in a predetermined SAFE DIRECTION.



Cotton cloth



Rotate the rod

Cleaning the Muzzle

- Maintenance is needed when BB speed becomes slow.
- Never look down the end of the barrel to see if a jam has been cleared.
- Make sure the airsoft gun is on "SAFE" and pointed in a SAFE DIRECTION.
- Remove the magazine.
- Make sure to return the hop up wheel to the NORMAL position.
- Cut a strip of cotton cloth the width of the eyelet hole and rotate the cloth around the rod.
- Insert the cleaning side of the rod into the barrel of the gun while slowly twisting down the muzzle.

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Checking the Fuse

Checking the Fuse

- Maximum Voltage allowed is 12V and Ampere is 20A below.
- DO NOT attempt to modify the fuse, tampering with the device may void the manufactures warranty.
- Replace the fuse only if you find the fuse damaged.



Advanced Maintenance

- To ensure the life of the airsoft gun routine inspections and maintenance should be performed.
- Advanced maintenance and disassembling of this airsoft gun includes lubricating and cleaning the parts of the gun that are difficult to reach.
- For the most up to date authorized maintenance instructions please go to www.ignite-blackops.com and follow our in depth tutorials.
- Modification of the gun mechanism may cause a gun to malfunction and tampering with a gun may make it unsafe to use.
- Any change in the airsoft guns performance, such as lowered trigger force and shortened trigger travel may indicate possible wear and should be inspected, replaced, or properly repaired, and repairs should only be made by qualified personnel.
- Unauthorized tampering of this airsoft gun will void the manufactures warranty.

⚠ WARNING: Any advanced cleaning of the airsoft weapons should be done by an adult, ages 18 years or older, preferably someone with advanced airsoft knowledge and training. For tutorials and step by step instructions please visit our website at www.ignite-blackops.com.

Aiming and Firing Safely

- Always handle and operate airsoft guns safely.
- User should obey all laws regarding the usage and ownership of airsoft electric guns.
- Misuse or careless use may cause serious injury.
- Facial protection is required.
- You and others with you should always wear eye protection designed for airsoft use.
- Always point your airsoft gun in a SAFE DIRECTION.
- **Never insert items other than an airsoft BB into the magazine or gun barrel.**
- **DO NOT re-use plastic BBs because they could possibly cause damage to you or your airsoft gun.**
- Your airsoft gun is designed for target shooting and is suited for both indoor and outdoor use. Always remember to place your target carefully. THINK about what you will hit if you miss the target.
- Always keep the airsoft gun on "SAFE" until you are ready to shoot in a SAFE DIRECTION.
- Always keep your finger off the trigger and out of the trigger guard until ready to shoot.

Reviewing Safety

- Never point the airsoft gun at any unprotected person. Never point the airsoft gun at anything you do not intend to shoot.
- Always treat the airsoft gun as though it is loaded and with the same respect you would a firearm.
- Always aim in a SAFE DIRECTION, always keep the muzzle of the gun pointed in a SAFE DIRECTION.
- Always check to see if the airsoft gun is on "SAFE" and unloaded when getting it from another person or from storage.
- Always keep your fingers off the trigger until ready to shoot.
- You and others with you should always wear eye protection designed for airsoft use.
- Always wear eye protection designed for airsoft over your regular glasses.
- Use 6mm plastic BBs only, we suggest **Black Ops 6mm .20g biodegradable BBs**.
- Do not re-use plastic BBs because they could cause possible damage to your airsoft gun.
- Never operate after drinking alcohol to avoid possible danger.
- Backstops should be inspected for wear before and after each use. Discontinue use if the backstop surface shows signs of failure. Since backstop surfaces eventually fail, always place the backstop in a location that will be safe should the backstop fail. Discontinue the use of a backstop if the projectile rebounds or ricochets.
- Never shoot any items that could break, shatter, or explode. Avoid ricochet. Never shoot at hard or flat surfaces or at water.
- Malfunction of motor or battery will occur if the gun is immersed in water. Stop operating the gun, remove the battery and consult our service department immediately.
- Check any gun that has been dropped to ensure that its function has not been affected.
- It is possible that BBs may fire even if the magazine is removed. Direct the muzzle towards a SAFE AREA. Pull the trigger to confirm no bullets remain in the gun.
- Remove the magazine and battery from the gun when not in use.
- Do not attempt to disassemble or tamper with your airsoft gun.
- **DO NOT MODIFY OR ALTER YOUR AIRSOFT GUN.** Attempts to modify the airsoft gun in any way may make your airsoft gun unsafe to use, cause serious injury or death and will void the warranty.
- Be courteous and mindful of those around you and cease firing if bystanders enter within firing range.
- Always put the gun in a case or bag when you are carrying it, to avoid giving rise to public panic.
- Select a safe place for operating the Airsoft Gun. Avoid places where people and cars pass across or third persons are around.
- Do not put the airsoft gun away loaded. Make sure ALL of the plastic BBs are unloaded from the airsoft gun.
- Always store this airsoft gun in a secure location, and Always store out of the reach of children.

Status	Cause	Action
No operation at all	Fire selector is set to Safe	Set the fires selector to Semi or Full Auto
	Battery is not charged	Fully charge the battery
	Battery connector is disconnected or reversed	Connect the connector correctly
	Fuse is blown	Replace the fuse
	Poor Motor electrical connection	Check and repair the motor
	Expired Motor Life	Replace a new motor
Although the motor is running, no BB's fire	Magazine is not fully placed into the receiver	Load the magazine into receiver and turn the gear wheel. If it still doesn't work, contact customer service and ask for assistance
	Bullets are clogged in Hop up system or barrel	Use the cleaning rod to remove clogged BBs
	Faulty gear	Please contact customer service and ask for assistance
	Levers may be broken	
Full auto not functioning	Insufficient battery power	Charge the battery
	Faulty BBs feed from magazine	Using the cleaning rod to remove clogged BBs
Semi auto not functioning	Deviation in gear timing	Fire 5-6 rounds in full auto then switch back to semi auto again
	Insufficient battery power	Charge the battery
	Faulty BBs feed from magazine	Use the cleaning rod to remove clogged BBs
BB roll out from barrel	Hop up or barrel damaged	Please contact customer service and ask for assistance
	Faulty or poor quality of BB	Use higher quality BB
Shooting distance greatly reduced	Hop up or barrel damaged	Please contact customer service and ask for assistance
	Piston or O-ring damaged	
	Deteriorated piston spring	
	Gear problem caused by excessive dry firing	
	Faulty BBs	
Loud operation noise	Damaged Gears	Please contact customer service and ask for assistance
	Problem caused by engagement between the motor and gears	Do not tune the engagement between the motor and bevel gears by yourself, contact customer service and ask for assistance
Gun has been immersed by water	Stop Operation immediately and disconnect the battery. Wipe off any excess water from inside the body and from the battery. When AEG is completely dry, test fire. If no operation or signs of malfunction is observed, please contact customer service and ask for assistance	

WARRANTY: This Black Ops airsoft gun is warranted against manufacturer defects and workmanship with proof of purchase for 30 days after the original purchase date. This warranty does not cover damages due to modifications, abuse, or failure to perform regular maintenance. For warranty questions or to speak with one of our customers service representative please contact: Email: help@bearriver.net • Phone: 1-435-787-1603

NOTE: The customer is responsible for freight charges to Bear River International. Bear River International will be responsible for freight charges back to the customer.